

UCC Wins Fifth Award In Field Of Achievement

Chemical Engineering Is Sponsor; Uranium Work Of UCNC Cited

For the fifth time since 1933, Divisions of Union Carbide Corporation have received awards for Chemical Engineering Achievement. The awards, presented every two years, are sponsored by Chemical Engineering Magazine. No other company has won the award so often.

"Atomic Age Metals"

This year's award will be presented to a group made up of 77 organizations that have pioneered in the extraction of the "Atomic Age Metals"—uranium, plutonium, zirconium, hafnium, tantalum, niobium, lithium, boron, beryllium, thorium, and the rare earth metals. Also included, because they are primarily products of chemical metallurgy and are vital to the nuclear industry, are three older metals, aluminum, nickel, and titanium.

Electro Metallurgical Company won the award for its work with titanium. Union Carbide Nuclear Company received its award for work with uranium. In addition, Oak Ridge National Laboratory, operated by Union Carbide for the Atomic Energy Commission, won an award for its part in extracting uranium, zirconium, and hafnium.

Purer Metals Predicted

In announcing the selections, Sidney D. Kirkpatrick, editorial director of Chemical Engineering Magazine, said that the recent rise of chemical metallurgy, "sparked by newer techniques for processing uranium and other 'Atomic Age Metals,' promises greatly increased production of purer metals, often from previously uneconomic sources." A half-billion dollar market for chemicals and processing equipment has been opened up by the new techniques, Kirkpatrick said.

In 1933, Union Carbide Chemicals Company received the first Chemical Engineering Achievement award for its work in producing commercially a large number of synthetic organic chemicals from petroleum and natural gas.

Chemicals Company Praised

The Chemicals Company shared in two previous group awards, given in 1943 to the American Synthetic Rubber Industry, and in 1946 to those companies who contributed significantly to the research and engineering responsible for the production of the atomic bomb.

The fourth award received by a Corporation Division was an individual one, in 1953. Union Carbide Chemicals Company received this one, too, for its commercial production of chemicals by coal hydrogenation.

Judges for this year's awards were the heads of chemical engineering departments of all colleges and universities in the United States—whose courses are accredited by the American Institute of Chemical Engineers and the Engineers' Council for Professional Development.

The awards will be presented December 3 in New York City at a dinner to be held in connection with the 26th Exposition of the Chemical Industries.



TWO MORE FORMER Y-12ERS who retired September 30 are shown receiving their first Union Carbide Corporation pension checks. At top left Ernie Watkins, Superintendent of the General Machine Shop, hands a check to beaming James T. Firestone. O. M. Blackwell, Head of Plant Utilities Administration, left below, hands over a pension check to Charles P. Spires in the lower picture.

Two Y-12 Retirees Get First Pension Checks

Firestone And Spires Receive UCC Benefits

Two more former Y-12 employees, who retired on September 30 of this year after a combined Company Service of almost 27 years, have received their first Union Carbide Corporation pension checks. The checks were delivered last week to James T. Firestone, formerly with the General Machine Shop; and Charles P. Spires, who used to work with the General Utilities Department.

Firestone came to work in Y-12 on March 1, 1944. During his stay in Y-12 he was employed in the General Machine Shop and also in the Chemical Division. He now is employed as a salesman by Oak Ridge Motors.

Spires employment in Y-12 extended over an even longer period. The former service operator assistant was hired on November 22, 1943. He is taking it easy around his home in Knoxville.

Firestone and Spires were the 10th and 11th Y-12ers to retire this year.

Dr. C. R. Sullivan Named Director Of Heart Group

Dr. C. R. Sullivan, Y-12 Medical Director, was unanimously elected a director of the East Tennessee Heart Association at the regular annual meeting of the association September 26 in Knoxville. Wilson New, chairman of the board of directors, announced that this position will be for a term of three years.

Y-12 Community Chest-Red Cross Drive To Open On October 22 Through UCNC Central Fund Plan

Ellis Plant Chairman; Group Meets Thursday

The Y-12 Plant Community-Chest-Red Cross fund raising drive will start on Tuesday, October 22. This campaign will coincide with the Anderson County, Roane County and Knox County drives. Edward C. Ellis, Superintendent of the Finance and Materials Division, will be the Y-12 Plant chairman for the campaign.

Participation of Y-12ers and other Union Carbide Nuclear Company employees in the fund raising campaign will be through the UCNC Central Fund Plan, established by the Company last year.

Can Designate Beneficiary

Participation in the UCNC Central Fund Plan permits Y-12ers to make their gifts for worthy health, welfare and service agencies in any one of three counties through convenient payroll deductions. This year the agencies to benefit from the generosity of Y-12 and other UCNC employees in Oak Ridge will be the Community Chest-Red Cross combined campaign in Anderson County, the United Fund-Red Cross in Knox County and the Roane County Community Chest.

In the campaign to start in Y-12 October 22, only those employees who are not now making payroll deductions for the Central Fund Plan will be approached. They may designate the agency of their own choice to receive their contributions.

Chairman Ellis will hold a meeting of a plant-wide committee at 9 o'clock tomorrow morning, Thursday, October 17, to map plans for the campaign in the Y-12 Plant. The committee will consist of representatives of all divisions in the plant. The committee will map its plans at the meeting.

The UCNC Central Fund Plan provides that Y-12er may authorize deductions for their contributions to the beneficiary agencies. One deduction will be made each month from pay checks and the deductions will continue unless the employee exercises the privilege of dropping out of the Central Fund. To do this the employee must notify the Payroll Department in writing.

Changes Can Be Made

It also is the privilege of all employees to increase or lower their deductions or to change the designation of the beneficiary through the same method.

During the campaign beginning October 22, Y-12ers not now participating in the Central Fund Plan will be given the opportunity to

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WHEN THE AGREEMENT FOR THE COMBINED OAK-RIDGE-ANDERSON COUNTY Community Chest-Red Cross Drive was signed September 27, a Y-12 man took an active part as chairman of the Anderson County Community Chest fund drive. He was Loyd Vandergriff, Property Department, second from right in rear row of this picture. Others in rear from left are James A. Newman, Anderson County Red Cross chairman; Mrs. Wallace Cantrell, Anderson County Red Cross fund drive chairman; and Richard Leitner, Oak Ridge Red Cross fund drive chairman and vice chairman of the Oak Ridge Chapter. Seated are R. L. Hayes, Oak Ridge Red Cross Chapter chairman; and Harry Carper, Anderson County Community Chest chairman. He is with the K-25 Plant.



Edward C. Ellis
Y-12 Plant Chairman

C. A. Sparks Given October 1 Promotion

Charles A. Sparks, of the Production Inspection Department of the Finance and Materials Division, was promoted from the position of shop inspector to assistant foreman, effective October 1. He has been a Y-12 employee since November 30, 1953.



Sparks is a native of Waynesville, N. C., where he was born June 21, 1929. He graduated from Waynesville High School and then put in four years with the United States Navy from 1946 through 1950. During that time he received training as a general machinist. Before coming to Y-12, he was employed at the Lockheed Aircraft Co., Marietta, Ga., and also at the Goodyear Aircraft Co. He is married and he and his wife and two children, Betty Jo and Michael, live at 705 Florida Ave., Oak Ridge.

'Life' At Carbide Reveals Activities

UCC Plant Featured In 'Frontier' Story

The energy of Life Magazine photographers and writers is legendary. Their recent excursions to South Charleston, W. Va., to capture in words and pictures the industrial techniques of Union Carbide is a good example. Their assignment was "Frontier of Our Technology."

Three times, photographer-writer teams descended into West Virginia's Kanawha Valley, where 10,000 Union Carbide Chemicals Company people work in units nestled on the river's shore and packed onto an 80-acre island.

Hundreds Of Pictures Taken
Hundreds of pictures were taken by photographers who peered into the labs, climbed up the towers, and scrambled up the high ground overlooking parts of the plants. They shot pictures throughout the night, capturing the men who keep the watches and who man the late shifts.

The writers, working with the photographers, spelled out in typical Life style the "enthusiasm and responsibility" of a scientist's job, the "job interview" of a Ph.D. from the University of California

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OLD FAVORITES FEATURED ON SPECIAL LUNCHES

Two rib-sticking dishes are to feature the 50-cent Special Lunches to be served at the Y-12 Cafeteria tomorrow, Thursday, October 17, and next Tuesday, October 22. The main dish for tomorrow's Special Lunch will be macaroni and cheese. For next Tuesday the entree will be stuffed pepper. Each Special Lunch also includes one vegetable, choice of salad or dessert and rolls and butter.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated

11 Days Or

309,380 Man-Hours
(Unofficial Estimate)

Without A Disabling Injury

Through October 13

Phone 7755

For Daily Report
On Accident-Free Hours

The Bulletin

Published Weekly By And For
Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
A Division Of
Union Carbide Corporation

GEORGE W. DOBBS . . . Editor

OFFICE

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Oak Ridge, Tenn.
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Rolls-Royce Subject For ASME Meeting

AEC Man To Describe British Automobile

Dr. C. S. Shoup of the Biology Branch, Research and Development Division, Oak Ridge Operations of the Atomic Energy Commission, will speak to the East Tennessee Section of the American Society of Mechanical Engineers, Thursday night, October 17, at the Oak Terrace. Dinner will be served at 6:30 p.m. and Shoup will speak at 8 p.m. on the subject of "Rolls-Royce, Limited, and Its Products." The speech will deal primarily with motor cars manufactured from 1904 to the present time.

Reference also will be made to the Rolls-Royce Owner's Club which was founded in 1951, with Shoup as one of the charter members.

Dinner reservations may be made by calling Jack C. Cox, Industrial Engineering, plant phone 7666, on or before Wednesday, October 16. Those who are unable to attend the dinner are urged to come at 8 p.m. and take part in the program.

W. M. Rogerson To Speak At Welding Society Meeting

The Northeast Tennessee Section of the American Welding Society will hold a dinner meeting Monday night, October 21, at 7 o'clock at Regas Restaurant on Gay Street in Knoxville. W. M. Rogerson, chief of the Joining Laboratory of Alcoa Process Development Laboratories, will speak on "Commercially Applicable Methods of Joining Aluminum and Its Alloys."

The talk should be interesting to guests as well as members of the welding profession. Further information may be received from H. M. Payne, Mechanical Inspection, plant phone 7-8216.

10 Years Service

Congratulations to the following Y-12 employees who will complete 10 years of Company Service within the next few days:

Charles A. Trotman, Electrical Engineering, October 20.

Joe L. Williams, Mechanical Operations, October 20.

Oak Ridge Stamp Club To Organize October 22

The Oak Ridge Stamp Club will hold an organizational meeting Tuesday, October 22, at 7 p.m. in the Blue Room of the Ridge Recreation Hall. Membership in the Stamp Club is open to the children of Y-12ers as well as interested adult philatelists. All interested Y-12ers are urged to attend and bring their friends. Further information may be obtained from Tom Hamrick, of the Y-12 Special Testing Department, plant phone 7-8203, or at home in Oak Ridge at 5-9510.



Hi folks—

The ol' Colyum Conductor (now termed "Sputnik" by pals who say he is small and round and going round and round in circles with no place to light) now takes off in space to collect the "beeps" from around the premises. First on the list is Industrial Relations—

INDUSTRIAL RELATIONS

There are a couple of young busy beavers now operating in the dignified Division—Dan Culp is helping out with chores around The Bulletin office at present and Don Cowan is taking lessons in counseling from Jesse Guin in Labor Relations matters. . . Both are fine lads and are welcomed by one and all.

Carl Cooper, Sr., Wage Standards, is off on another vacation installment, setting sail for Middle Tennessee to say "Ug" to folks over thataway.

The Boys in Gray of the Guard Department send get-well wishes to J. B. Quinn, in St. Mary's Hospital, Knoxville; and A. J. Ballinger, likewise in Cleveland, Tenn. . .

Lieut. D. B. Williams is taking it easy in Knoxville while M. N. Wilkerson, J. V. Overton, L. F. Ellis and R. B. Blankenship are vacationing without leaving forwarding addresses.

CHEMICAL

Product Processing reports its Proud Pop of the week is J. E. Whittlesey, qualifying with the birth of a six-pound, 12½-ounce baby girl. . . Rapid recovery wishes are sent to the mothers of E. C. Humphrey and W. S. Wallace. . . The welcome mat was out last week for R. B. Schappel and W. T. Crow, recent transfer from other regions of the plant.

FINANCE AND MATERIALS

The Mail Room extends its sympathy to Lula B. Justice, a real old-timer known to many Y-12ers, whose father died recently.

Jack Shumpert, Stores, is another of those new Pops—a son joining the family October 7 at Oak Ridge Hospital weighing seven pounds, 13 ounces and being named J. T. Shumpert, II.

TECHNICAL

Get-well wishes are dispatched by Production Analysis to Thelma Cole and Elva Combs. . . Carolyn McBride is vacationing in Pontiac, Mich., and Irene Jenkins is at an unknown location. . . Murrell Culbertson week ended in Surgoville. . . Newcomers Sherwood Greene and Kenneth Long received a warm welcome last week.

Special Testing reports Lear Doss on vacation in West Tennessee. . . E. E. McCombs is journeying to Indiana to see his parents and L. M. Steckel is resting up around home.

Laboratory Operations extends condolences to Rella Davis, whose uncle died recently.

The Analytical Development Group of Development Operations has Roscoe Barringer on vacation at home in Knoxville, reportedly remodeling his house.

Sam Campbell, of the Metallurgical Development chapter, plans to spend part of his vacation around his Powell home with perhaps a trip to Williamsburg, Va., to see his mother.

It's a safe bet Betty Whitehorn, Development Operations, was a happy vacationer—Y-12's most avid feminine baseball fans, if she didn't go to see the World Series she undoubtedly was hanging around a TV set and rooting for the Braves as she's a National League backer.

SS Chemical Development congratulates Ted Sprague on birth of a son October 7—but no more further information.

Jim Warner, Special Projects, is back from a grand tour of Ohio, Indiana, Illinois and Kentucky—feeling refreshed. . . Frank Mc-

Guinness and Chet Borge felt a mite puny last week and were among the missing.

Mechanical Inspection extends congratulations to Ronald Crabtree and his wife, Peggy, a former Y-12er in the Assay Laboratory, on birth of a daughter, Rhonda Lynn, at Oak Ridge Hospital, September 29. The newcomer weighed seven pounds, three ounces. . . The department congratulates Bert Searles and H. S. LeTellier on receiving their certification as pressure vessel inspectors from the National Board of Pressure Vessel Inspectors.

Mechanical Engineering has Tommy Swindell vacationing at home in Norris this week with a possible trip to the Smokies. . . The H. A. Pohtos were visited over a recent week by his brother and wife from Cleveland, Ohio. . . Lillian Higgins spent the past week end in Lexington, Ky., the Jack Blackerbys were visiting her grandparents in Williamsburg, Ky., and Frank Fuis, Jr., and the missus went up to Fontana Village. . . Get-well wishes are sent to the wife of John Gibson, still ill in a Chattanooga hospital. . . The Engineer's lament is being wailed all around the jernt as The Bug, alias Virus, alias Asian Flu, alias Scandinavian Sniffles has taken heavy toll—were that Spring would come again!!! (So say we all, Kay.)

MAINTENANCE

Dan Stroud, Mechanical Maintenance, who led off this department's reports last week by creating news through having the flu, again makes the colyum by becoming the Proud Pop of a daughter who was born on her mother's birthday—so Dan's passing out the cigars and candy. . . J. P. Furlong also is a Proud Pop, his new son arriving October 9. . . J. K. Olmstead is touring Mississippi while vacationing and plans to stop in Birmingham October 19 to see Tennessee and Alabama do gridiron battle. . . Meanwhile A. G. Stooksbury can be found around his home in Clinton. . . Deepest sympathy is extended P. L. McCurry, whose daughter, Mrs. Mary J. Cooper, died in Cincinnati last week. . . Also to W. O. Wells, whose brother died in Jacksonville, Fla.

F. W. Gallagher, Maintenance Planning, is one of the weepers and wailers that began sobbing in their soup around 3 o'clock last Thursday afternoon—he took an extra week of vacation just to watch the World Series and cheer the Yankees (next three words of the reporter's item are deleted). . . The department is glad that the wives of Bill Jennings and John Irving are out of Oak Ridge Hospital and back at home—speedy recovery wishes go to both.

Charlie Beckett, of the Beta Two Branch of Process Maintenance, sends out an SOS to his "cub" reporters from the field areas to get on the ball and keep him informed of happenings—Charlie ain't keeping secrets, but is beaming that message to Barbara Thomas, Alpha Five; Mary Williams, Alpha Four and Jackie Shelton, up in Bldg. 9212. . . Jean Vaughan, another departmental news source, tells that H. R. Garrett is vacationing in Akron, Ohio, to see his little grandson—and Grandpop says the youngster is as cute as a button. . . W. E. Davis is receiving congrats and dispensing cigars as the result of the arrival of young Gordon Williams, born in LaFollette Hospital October 7, weighing eight pounds, net. . . S. D. McCulley is back from his recent Cookeville vacation. . . A much-traveled E. D. Hill is back from two weeks spent in Baton Rouge, La., Houston and Mineral Wells, Tex., visiting old Army buddies. . . Get-well wishes go to C. M. Goodlin, R. L. Wolfenbarger and J. V. Stutts. . . If folks over Palmetto Road way are

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PEOPLE, YOUNG AND OLD, took top honors in the Y-12 Weekly Photographic Contest for the week ending October 11. At top is picture by T. H. Barton, Jr., Production Analysis, of children listening sleepy-eyed to a bedtime story, that took first place. The phrase "Swing me, Daddy," is the favorite of Howie and Margie Anne Horne in the picture taken by H. L. Horne, Maintenance Planning, bottom, which took second place in the contest.

Rides Wanted, Offered

Riders wanted from Chapman Highway via Henley Street, Western Ave., West Haven and Oak Ridge Road, H Shift. J. H. Case, Jr., plant phone 7515.

Riders wanted from Maryville, H Shift. A. L. Tilley, plant phone 7515, home phone Yu-2-0349, Maryville.

Want to join car pool from 100 Oak Lane, Oak Ridge, to Central Portal, straight day. Carol Walker, home phone 5-4418, Oak Ridge, plant phone 7-8291.

Ride wanted from Morrell Road and Northshore Drive in Knoxville to Central or West Portal, straight days. Ann Ware, plant phone 7-8297, home phone 8-2614 Knoxville.

Riders wanted in car pool from Norwood section of Knoxville to North or Central Portal, straight day. George Dykeman, plant phone 7507, home phone 6-4184, Knoxville.

Ride wanted or car pool formed from Wadsworth Circle, Oak Ridge, to West Portal, straight days. A. R. McConkey, plant phone 7-8336, home phone 5-7923, Oak Ridge.

Riders wanted from Alcoa Highway or West Knoxville to East, North or West Portals, straight days. D. L. Foulk, plant phone 7-8505, home phone 7-4821, Knoxville.

Riders wanted or will join car pool from vicinity of Woke towers on East Drive to Biology Portal, straight days. R. C. Daniels, plant phone 7-8626, home phone 5-8247, Oak Ridge.

Want to join car pool from vicinity of Shannondale School in Fountain City to North Portal, straight days. John Hurst, plant phone 7064, home phone 6-6609, Knoxville.

Three riders wanted from Georgia and East Tennessee Aves., Oak Ridge, to East, North or Biology Portal, straight day. N. R. Penland, plant phone 7-8401, home phone 5-3317, Oak Ridge.



Get-well wishes are extended to the following Y-12ers who were patients in Oak Ridge Hospital last week:

Melvin Oldham, Process Maintenance; Jean McWilliams and J. H. Briggs, Janitors; R. L. Jennings, Electrical Maintenance; J. M. Butts, General Machine Shop; Horace Ramsey, Z Area; Denson Lay, R. Harris and Perry Surver, Buildings and Grounds; Joy J. Winslett, Mechanical Operations Division; B. B. Coulter and N. A. Stone, Research Services; H. F. Akin, Project Engineering; Mary D. Scaff, Plant Records.

Linde Appoints Two In Research Field

Dana Is Vice President, Swan Is Made Director

Dr. L. I. Dana has been appointed Vice-President—Research and Development, and David Swan appointed Director of Research of Linde Company, Division of Union Carbide Corporation, it has been announced by W. M. Haile, President of Linde. Dr. Dana has been Vice-President—Research for Linde. Swan has been Director of Research of Metals Research Laboratories, Electro Metallurgical Company, another Division of Union Carbide.

Dr. Dana joined Union Carbide in 1923 at the Linde Laboratory, in Buffalo, N. Y., and was named Vice-President—Research for Linde in 1951. Dr. Dana was associated with the first commercial production of polyethylene in the United States. He also directed the work that perfected Prestone anti-freeze and its associated products.

Swan has been with Union Carbide since 1946, when he joined the Research Laboratories of Electro Metallurgical Company at Niagara Falls, N. Y.

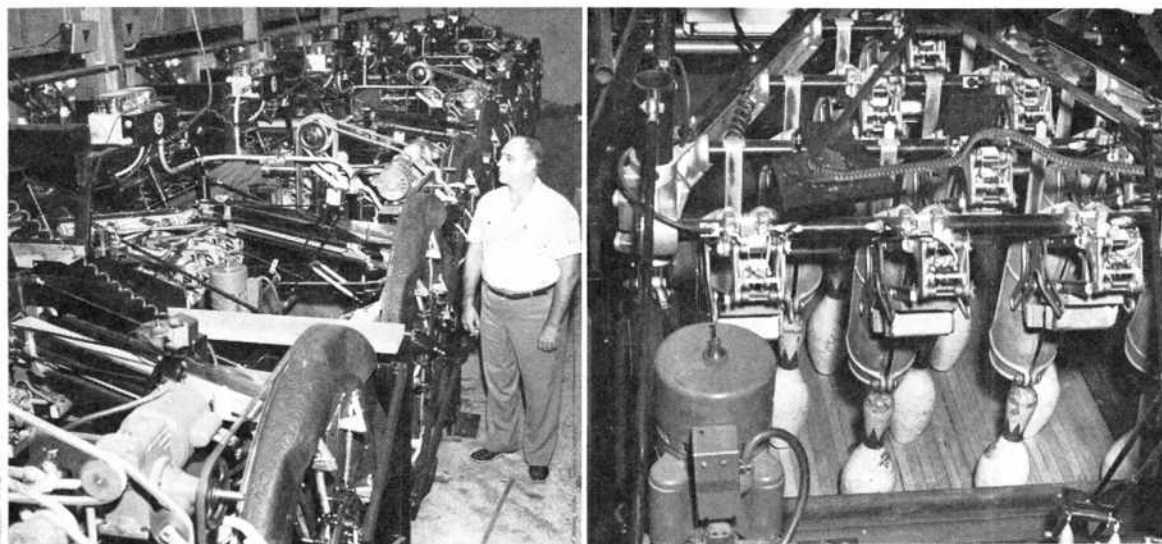
Dr. Dana was born in Boston. He received the degree of B.S. from Massachusetts Institute of Technology in 1917. In 1922 he received the Ph.D. degree from Harvard University. Swan was born in Rutherford, N. J. He was graduated from Rensselaer Polytechnic Institute in 1940 with the degree of B.S. in Metallurgical Engineering.

UC Realty Company Names Currens, Gray To Be Veeps

J. E. Currens and J. A. Gray have been appointed Vice Presidents of Union Carbide Realty Company, Division of Union Carbide Corporation, it has been announced by S. A. Corfman, President of the Realty Company.

Currens has been with Union Carbide since 1948 when he joined Haynes Stellite Company in Kokomo, Ind. In 1952 he was transferred to the New York office as an accountant for Union Carbide Realty Company. He later became Manager of New Projects, and then Manager of Buildings for that Company. Currens was born in Greentown, Ind., and was graduated from Butler University in 1948 with the degree of B.S.

Gray joined Union Carbide in 1928 at the South Charleston, W. Va., plant of Union Carbide Chemicals Company, Division of the Corporation. He became head of the Expediting, Tools and Equipment Division of the Maintenance Department in 1936. In 1948 he moved to New York as Assistant Manager of the Real Estate Department of the Chemicals Company, becoming Manager of that Department in 1952. He was made Manager of Land Acquisition and Housing of Union Carbide Realty Company in 1955. He was born in Beckley, W. Va.



"IT LOOKS COMPLICATED, BUT IT ISN'T," says J. B. Strickland of the Swingster team in the Classic Bowling League. Strickland is observing the elevator wheels of the new pin set up equipment at the Oak Terrace lanes, as it picks up the pins and sends them to the pin table (right) to be deposited at the end of the alley in just the exact spot for him to bowl a strike.

Pin Setting Machines At Oak Terrace Strengthen Bowlers' Chances

Completely Automatic Gadget Speeds Up Games; Y-12ers Credit Equipment With Boosting Marks

Technological change has reached almost everywhere in this modern world, from electronic brains to electric baseball pitching machines. One of the newest additions to the sports world are the new bowling pin setting machines which are now in operation at the Oak Terrace Bowling Alleys. Many Y-12 bowlers have been enjoying the benefits of these machines for several weeks now and Y-12 kers have complimented the equipment for accuracy in setting the pins and for the effect that they have in improving their individual games.

Pin Boys Are Eliminated

Clyde Atkins, manager of the Oak Terrace Alleys, said last week that because of the speed of bowling a frame and the increased interest of bowlers the Oak Terrace lanes are now doing a business of about 3,000 lines a week compared to 1,800 to 2,000 lines a week a year ago. The automatic machines, which eliminate the human element of the "pin boy" give a better rack to the pins and more pin action on the side. This fact in itself is helpful in bettering a bowling game.

The machines are completely automatic and are set in motion when the ball hits a canvas shield in the back of the machine. When the pins are knocked down a roller arm comes out and brings the fallen pins to the rear of the gadget. A feeder belt places the pins in an elevator wheel which revolves the pins upward where they are fed to a distributor belt for placement in the pin table. After the pins are rolled into the pin table, the table goes down and places the pins in their exact spot on the lane. While this operation is going on a second set of pins is being fed back into the elevator wheel to begin the operation all over again. By having two separate sets of pins the machine can have one set ready to be lowered at any time.

Balls Rolled Back to Bowlers

The balls are brought automatically out of the bottom of the machines and taken out of a trap door and rolled back to the rack at the bowler's side.

Among the many new features that the machines have added to alleys are spots for the spot bowler. There also is a red light that lights up when a foul has been committed and the pins are automatically reset and an additional one-ball light appears on the face of the machine. A Pindicator on the face of the gadget shows which pins by numbers are left on the alley, as well as a light that shows which ball is left to throw. When a strike is rolled an X lights up on the front of the gadget.

There are 12 of these machines now in operation at the Oak Terrace.

The trouble of telling a good story is that it reminds the other fellow of a dull one.

Y-12 Rifle Loop Opens October 22

Teams Request More Y-12 Rifle Shooters

The Y-12 Rifle Teams will start their league firing on Tuesday night, October 22, at 7 p.m. at the Oak Ridge Sportsmen's Association indoor firing range. M. W. McGuffin will be over-all team captain again this year.

Targets will be furnished again this year and rifles are available to those who do not have their own. As in past years, the ammunition, .22 calibre long rifle shells, will be furnished by the individual. Iron sights will be used exclusively and no telescopes will be allowed. The course of fire is five shots in each position, prone, sitting, kneeling and standing. There is a 25-minute time limit for the entire course.

Terminations and transfers have caused the loss of a number of good shooters on the teams and other team members are anxious for anyone interested in rifle shooting to try out for the teams. Rifles are available at the Oak Ridge Sportsmen's Association for those Y-12ers who are interested in increasing their skill with a rifle or in learning the art of target shooting. Any Y-12er that is interested in joining the rifle team or in receiving further information about target shooting is urged to contact the Recreation Office, Bldg. 9704-2, plant phone 7751.

Schedule for the 1957-58 season follows:

FIRST ROUND

Tuesday, October 22—Ten X's vs. Pinwheels, Tackholes vs. Centershots.
Tuesday, October 29—Pinwheels vs. Tackholes, Ten X's vs. Centershots.
Tuesday, November 5—Tackholes vs. Ten X's, Centershots vs. Pinwheels.

SECOND ROUND

Friday, November 15—Ten X's vs. Pinwheels, Centershots vs. Tackholes.
Friday, November 22—Pinwheels vs. Tackholes, Centershots vs. Ten X's.
Friday, December 6—Tackholes vs. Ten X's, Pinwheels vs. Centershots.

THIRD ROUND

Tuesday, December 10—Ten X's vs. Pinwheels, Centershots vs. Tackholes.
Tuesday, December 17—Pinwheels vs. Tackholes, Centershots vs. Ten X's.
Tuesday, January 7—Tackholes vs. Ten X's, Pinwheels vs. Centershots.

FOURTH ROUND

Friday, January 17—Ten X's vs. Pinwheels, Centershots vs. Tackholes.
Friday, January 24—Pinwheels vs. Tackholes, Centershots vs. Ten X's.
Friday, January 31—Tackholes vs. Ten X's, Pinwheels vs. Centershots.

FIFTH ROUND

Tuesday, February 4—Ten X's vs. Pinwheels, Centershots vs. Tackholes.
Tuesday, February 11—Pinwheels vs. Tackholes, Centershots vs. Ten X's.
Tuesday, February 18—Tackholes vs. Ten X's, Pinwheels vs. Centershots.

SIXTH ROUND

Friday, February 28—Ten X's vs. Pinwheels, Centershots vs. Tackholes.
Friday, March 7—Pinwheels vs. Tackholes, Centershots vs. Ten X's.
Friday, March 14—Tackholes vs. Ten X's, Pinwheels vs. Centershots.

FINAL ROUND

Tuesday, March 18—Ten X's vs. Pinwheels, Centershots vs. Tackholes.
Tuesday, March 25—Pinwheels vs. Tackholes, Centershots vs. Ten X's.
Tuesday, April 1—Tackholes vs. Ten X's, Pinwheels vs. Centershots.

A Shifters Set Turkey Shoot Tuesday Morning

All Y-12ers on the A Shift will sharpen their shooting eyes at the first turkey shoot of the season at 10 o'clock Tuesday morning, October 22. C. R. Rea, C Shift Recreation Committee chairman, announced that the shoot will be held at the old Oliver Springs airport. A 12-gauge Winchester pump shotgun will be awarded the winner.

Y-12 Hunters May Obtain Booklets Containing State Hunting Information

Regulations And Laws Covering All Forms Of Wildlife Covered In Tennessee Publication

The booklet, "Hunting Regulations and Abstract of Important Laws Governing Hunting," published by the State Game and Fish Commission, now is available to all Y-12 hunters who are interested in the subject from the Recreation Office, Room 226, Bldg. 9704-2.

Hunting and trapping regulations for all forms of wildlife are contained in the booklet. Season dates, bag limits and possession limits are included in the discussions on resident birds and animals, migratory birds and waterfowl as well as fur-bearing animals.

Directory Of Hunt Areas

For Y-12ers interested in managed hunts there is a directory of all Wildlife Management Hunt Areas which specifies the type of game to be hunted and the time and place of the hunt.

The regulations controlling state-wide big game hunts and managed managed big game hunts are listed. The license and permit requirements and prices also are listed. District and county conservation officers may be located in the directory, along with management area personnel.

Sunrise-Sunset Tables

The last few pages of the booklet contain sunrise to sunset timetables for the convenience of those hunters who must hunt within specified time limits. The sunrise-sunset timetables are set forth for all sections of Tennessee.

All Y-12 hunters are invited to pick up one of these booklets in the Recreation Office so that they may be familiar with the rules and regulations of wildlife hunting this season.

Physical Class To Continue

Revival of the physical fitness and education class for women employees in Y-12 is expected after an initial announcement of plans for reorganization of the group last week brought several calls to the Y-12 Recreation Office, Bldg. 9704-2, Room 226, plant phone 7751.

The class last year met weekly at the Woodland School gymnasium and drew a considerable number of Y-12 feminine employees. Class work consisted mostly of calisthenics with some games such as volleyball included. Any Y-12 women desiring to enroll in such a class are urged to communicate with the Recreation Department.

are invited to show up on opening night. Any further information may be obtained from the Y-12 Recreation Department, Room 226, Bldg. 9704-2, plant phone 7751.

Rippers Lead Tight Classic Loop Race

Last week was a heyday for the second division teams in the Classic Bowling League as the league race tightened up considerably. The Wasps took three from the Rippers, who remain in first spot, and the Screwballs and Swingsters whitewashed the Bumpers and Has Beens. The Wolves rolled to a three-point win over the All Stars while the Rebels took three from the Playboys to be the only first division teams to post victories. The fight to stay out of the cellar continued as the Cubs blanked the Tigers to move to 11th spot.

Campbell, Playboys, led the single game scoring with a 211 scratch upped to 245 with handicap. Spears of the Rebels took the scratch series with a 573 and Barber of the Swingsters led the handicap with 623. The Rippers topped the team scratch single with 898, while the Screwballs captured the handicap single, scratch series and handicap series with 1035, 2536 and 2982, respectively.

League standing follows:

Team	W	L
Rippers	18	6
Rebels	15	9
Bumpers	13	11
Has Beens	12 1/2	11 1/2
All Stars	12	12
Wolves	12	12
Swingsters	12	12
Screwballs	12	12
Wasps	11	13
Playboys	10 1/2	13 1/2
Cubs	10	14
Tigers	8	16



"BUT IT'S TRUE," says Jack Owens, Colex Auxiliary Operations, who captured this beautiful crappie at Blue Springs not long ago. The fish has been entered in the Annual Y-12 Fishing Contest.

Hornets Tops In C Pin Loop

The C League bowling action last week saw the league-leading Hornets drop a three-point decision to the fourth-place B Shift team. Murderer's Row split a battle with the Chillers and the Daffodils took a three-point win from the Hi Balls. The Alley Cats won a four-point forfeit from the Sooners to move into a second-place tie with Murderer's Row.

Spradlin, Alley Cats, led individual scratch single scoring with 199 and North, Hi Balls, took the handicap single with 238. Peters, of the B Shifters, took the individual scratch and handicap series with 529 and 634, respectively. Team scoring saw the Hornets and B Shift tie for scratch game with 766 each. However, B Shift took the handicap game tops with 999. Murderer's Row led the scratch series with 2208 while the B Shifters walked off with the handicap at 2896.

League standing follows:

Team	W	L
Hornets	15	5
Murderer's Row	14	6
Alley Cats	14	6
B Shift	10	10
Hi Balls	8	12
Chillers	8	12
Daffodils	6	14
Sooners	5	15

Ping Pong Ladder Opens October 21

Any Y-12 people for ping pong? The highly successful table tennis ladder competition for all Union Carbide Nuclear Company players will be revived for the coming season with play opening next Monday night, October 21, at the Wildcat's Den, Turnpike and Robertsville Road. Any Y-12ers wanting to play the popular sport



TENNIS TITLISTS IN Y-12 are pictured above. At left are Sam Campbell and Lorraine White, who captured the mixed doubles crown. Then comes Frank Ballenger and Bill Hackett, men's doubles champions.

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Interesting Safety Statistics For Four UCNC Plants Given

Here are some interesting safety statistics for the Y-12 Plant, Oak Ridge National Laboratory, K-25 Plant and the Paducah Plant of UCNC.

Y-12 Plant Figures

Here are the UCC Safety Periods previously established here, with the number of accident-free hours worked:

1. Aug. 24, 1948—April 25, 1949, 2,850,000. (This period covered a total of 246 days, not yet exceeded in the Y-12 Plant as to number of accident-free days worked.)
2. June 1, 1949—Jan. 17, 1950, 1,889,027.
3. Jan. 19—July 12, 1950, 1,645,228.
4. Sept. 22, 1950—Jan. 30, 1951, 1,773,906.
5. April 20—July 31, 1951, 2,198,884.
6. Jan. 5—April 6, 1952, 2,218,145.
7. July 26—Oct. 2, 1952, 1,571,405.
8. Oct. 14—Dec. 19, 1952, 1,595,096.
9. July 30—Nov. 19, 1953, 3,126,787.
10. Feb. 26—May 5, 1954, 2,129,426.
11. May 12—July 11, 1954, 1,797,986.
12. July 31—Sept. 27, 1954, 1,889,628.
13. Sept. 29—Dec. 22, 1954, 2,775,389.
14. Jan. 12—March 10, 1955, 2,058,506.
15. March 12—May 8, 1955, 2,034,575.
16. June 21—Sept. 12, 1955, 2,825,087.

17. Aug. 15—Oct. 22, 1956, 2,185,455.
18. Oct. 30, 1956—Jan. 10, 1957, 2,239,139.
19. Jan. 15—March 11, 1957, 1,844,567.
20. March 13—May 27, 1957, 2,342,579.
21. June 13—Sept. 26, 1957, 3,100,922.

Over-all Comparisons

Y-12ers have established eight UCC Safety Periods of from 1,500,000 to 2,000,000 hours, 11 of from 2,000,000 to 3,000,000 hours and two of more than 3,000,000 hours.

Of the 20 UCC Safety Periods previously posted in Y-12, four were established in 1954 for the most in any one year. There were three each in 1952 and 1955. So far in 1957 there have been three complete periods established and part of another that started in 1956.

The K-25 Plant has established 13 periods of more than 1,500,000 hours of accident-free operations. Of this number, seven were from 1,500,000 to 2,000,000 hours, four from 2,000,000 to 3,000,000 hours and two of more than 3,000,000 hours.

At Oak Ridge National Laboratory, 11 UCC Safety Periods have been set up with three running from 1,500,000 to 2,000,000 hours, seven from 2,000,000 to 3,000,000 hours and two of more than 3,000,000 hours.

The Paducah record is three UCC Safety Periods, with two being from 1,500,000 to 2,000,000 hours and the other more than 3,000,000 hours.

ASM Sponsors Career Meeting For Students

A "Career in Metallurgy" meeting will be held tonight, Wednesday, October 16, at 7 p.m. in Dabney Hall, University of Tennessee, by the Oak Ridge Chapter of the American Society for Metals and the Metallurgy Department of the University of Tennessee. The meeting is for the benefit of those high school and college students who may be interested in metallurgy as a career.

The session will be highlighted by a color movie and a color-slide-illustrated talk as well as a tour of the Metallurgy Laboratories and several demonstrations of metallurgical experiments and processes.

Interested high school students should contact their Science or Math teachers and college students should contact the Metallurgy Department, University of Tennessee, for further details.

Plenty Of Ducks Seen For Hunters

According to official reports, Y-12 duck hunters may have scads of ducks to fire away at come duck season. Officials of Ducks Unlimited in Winnipeg, Manitoba, Canada, report that ducks are concentrating in impressive numbers for the annual fall migration to the South. There are indications that flights South will be as good—but no better

White Prince Wins Again

Another triumph has come to White Prince of Heathermore, C.D., C.D.X, the first Oak Ridge dog to attain the title of Companion Dog Excellent, as he won the obedience trial championship last week in Knoxville. Fresh from defeating 25 dogs in the National Obedience Trial for German Shepherds, White Prince scored 193 out of 200 points to become the highest scoring Open B Obedience dog from the middle East Tennessee in the trial.

Man-O-Valor of Heathermore, the top local German Shepherd dog in the conformation show, scored 187 out of 200 points to place in the top four of Novice Class B. He also finished in the ribbons in the American-Bred Conformation Class which is limited to structural beauty.

White Prince and Man-O-Valor are both owned by Mr. and Mrs. Sid Holder of 120 Alger Road. Holder is in the Development Operations Department in Y-12.

The trial was the first obedience trial licensed by the American Kennel Club in the Middle East Tennessee area. Gayle B. Humphrey, nationally known obedience authority, judged the event which was held in Knoxville and supervised by the Knoxville Dog Training Club.

than—as last year's excellent large numbers. Heavy early migratory flights of pintail and teal already have been observed.

Y-12 Chest-Red Cross Drive Set October 22

Continued from Page 1

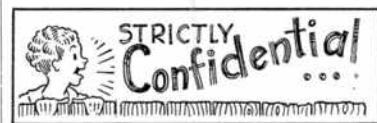
contribute according to his means and desires. It is stressed that contributing to the Central Fund Plan is entirely on a voluntary basis. It also is pointed out that participating in the Central Fund Plan will do away with all plant solicitations and permit employees to budget their over-all donations over an entire year.

Contributions Are Confidential

The minimum deduction will be 50 cents per month and the deductions will be made on a 50-cent unit basis—such as \$1, \$1.50 or \$2 per month. The amount of deduction by every individual Y-12er is kept confidential.

Of course, any Y-12er wishing to make a straight cash donation to the Central Fund Plan may do so. Such donors, of course, have the same privilege of designating where the contribution shall go.

Naturally, participation in the Central Fund Plan is not a guarantee that Y-12ers will not be solicited at their homes by agencies not designated as beneficiaries in the plan. However, every contributor to the Central Fund Plan will receive a card attesting to the fact that he is a contributor to the plan.



Continued from Page 2

wondering why the walls of a certain house are jumping, rattling and rolling—it is merely the aforesaid **Charlie Beckett** repainting, remodeling and moving in his new home for a long winter's rest.

Research Services is glad that **B. B. Coulter** is improving in Oak Ridge Hospital. Get-well wishes to him and also to **D. B. Blackburn**, **L. M. Thompson**, **W. E. Thomas** and **C. O. Campbell**, still on the ailing list. The same for the wife of **C. G. King**, laid up with a broken leg and to the wife of **P. W. Cofer**, also hospitalized. Deepest sympathy to **D. J. Wood**, called to Bristol last week because of the death of his father. All the news isn't dark—**C. R. Johnson** is welcomed back after an extended illness.

MECHANICAL OPERATIONS

E. V. Hawk, Sunflower Shop, was one of the happy fans after the Tennessee-Mississippi State gridiron goings on October 5. **Walt Sherrod** was a World Series spectator in New York. **J. W. Kyle** spent his vacation deer hunting. **W. J. McPeters** was at home in Wartburg. **C. L. Oliver** went to Alabama and **E. A. Reed** took it easy at home in Lenoir City. **J. A. Whitson** is vigorously working on his new house.

N. R. Parrott, Sunflower Foundry, is vacationing in Los Angeles, Cal. Condolences are extended **A. S. Ruszkowski**, whose mother died recently. **H. P. Smith** has moved into his new home on Oak Ridge Road.

Production Control is glad that the son of **L. R. Loveless** is getting along nicely after being injured in a fall. The welcome mat was rolled out last week for **Jane Sheldon** and **O. B. Sharp**. **C. W. Stegall** has a touch of out-of-state flu—likewise **T. B. Caldwell**. **H. D. Keyton** has recovered from the ailments which were plaguing him a short while ago. Folks are wondering about the interest shown by **John McGhee's** fellow employees in his car pool.

The General Machine Shop extends condolences to **Ralph Lawson**, whose mother, **Mrs. A. L. Lawson**, died recently at Lake City. **J. J. Trulious** is in Birmingham this week on vacation. **K. A. Schumaker** is in Knoxville. **N. H. Wise** plans to fish every lake within 100 miles of home and **W. C. Crawley** planned to work around home in Oak Ridge. **A. T. Sharp** was up in Caryville last week. Rapid recovery wishes to a host of sick folks—**J. F. Burnett**, **Don**



LIFE MAGAZINE PHOTOGRAPHERS

were all over the place to make pictures for the recent excellent layout on Union Carbide Corporation activities at South Charleston, W. Va. At top, a photographer is leveling his camera on a part of a building, spending all night on the job. In the middle picture a bull horn is used to direct activities of employees far below them. At bottom in the small hours of the morning the picture makers got a chance to prop up their feet and relax. These pictures of photographers at work were made by Earl Waters, a research chemist at the Union Carbide Chemicals Company at South Charleston.

Pitt, S. A. Starnes, R. C. Crawford, E. L. Croley, W. A. Cofer, W. L. Scruggs and J. M. Butts.

ALLOY

Alpha Five Cascade sends get well wishes to **L. E. O'Dell**, recovering from flu. Just back from vacation is **George Evans**, who stayed at home to paint his house—when the World Series wasn't on TV. **C. E. Wuest's** vacation destination is unknown.

Colex Auxiliaries welcome **Bill Holbert** and **D. D. Thomas** to the clan. Alpha Four Cascade Operations is missing the cheery laughs of **Bill Crow** and **Dick Seagren**, recently transferred to the Chemical Division. **Glenn Balley** is back from vacation feeling fine and frisky. **John Cottrell** vacationed around home last week and **A. T. VanDyke** spent part of his at Fort Jackson, S. C. **Tony Caputo** is visiting kin folks in Dennison, Ohio, this week. **Art Neeley** and **Dick Brothers** are welcomed back after sieges of sickness.

SHIFT SUPERINTENDENTS AND GENERAL UTILITIES

Jean Granstaff, of the Shift Superintendents Office, spent the week end with her parents over in Dowelltown, Tenn. **Finley Creigh**, B Shift sooper super, recently jaunted up to Cincinnati, Ohio.

Jackie Ward, the brand new bride from Utilities, entertained her sister and family from Johnson over the past week end. **E. W. Mahan** is visiting his mother in Hancock, County.

Note to Y-12 wives at home—the next three Saturdays are vacant on the University of Tennessee football schedule—is there any grass to be cut around your house?

'Life' At Carbide Reveals Activities

Continued from Page 1

(he and his wife decided to take the job), and the "rugged job and schedule" of a shift worker, who receives a four-day week end every 25 days.

Research Through Production

It was no mistake that Life selected South Charleston and Union Carbide. According to one writer, they needed a company which would ideally portray technology—from pure research through production.

"The only company which came near the ideal was Carbide in the Kanawha Valley," said William Pain, reporter and former southeast Asia correspondent. "Another major reason we settled on Carbide was the friendly attitude of the people—cooperative, and apparently happy with their jobs."

National Carbon Included

Life teams also covered National Carbon's arc-image furnace, which concentrates light from a carbon arc to generate heat equal to the sun's. A color picture was shot in the new basic research laboratory at Parma, Ohio.

The final result of this reporting was a 23-page feature in the October 7 issue of the magazine. Technology of Union Carbide and the people who make it possible take up the first eight pages.

Lives Of All Affected

In the colorful report the Life teams spelled out, as the lead sentence indicated, that "The present lives and future fortunes of every American man, woman, and child are directly and immediately affected by the gigantic technical strides of the past few years."

As Life showed, Union Carbide figures prominently in these "frontiers of technology."

Clippers Hold First In Mixed League

The Clippers took a three-point win from the Alley Cats in Mixed League bowling play last week. The Nip and Tucks whitewashed the Units for their second straight four-point win, while the Scrappers scored a three-point win over the Pin Cats. The Nip and Tucks jumped from last to second place.

Herb Oliver, of the Scrappers, took all individual scoring honors for men with 201 in the scratch, 240 in the handicap, 531 in the scratch series, and 648 in the handicap series. On the feminine side, Joyce Ross, of the Nip and Tucks, dominated the distaff scoring with a 174 scratch game, boosted to 226 with handicap, and a 441 scratch series. Jean Vaughan, of the Units, grabbed off a 623 handicap series to get into the act.

The Nip and Tucks dominated the team scoring ranks with a 614 scratch single upped to 805 with handicap. The Nip and Tucks also topped the series scoring with a 1754 scratch and a 2327 handicap.

League standings follow:

Team	W	L
Clippers	16	4
Nip and Tucks	10	10
Units	9	11
Scrappers	9	11
Pin Cats	8	12
Alley Cats	8	12

